

ECS
BROKERAGE
EVENT

SME Pitches

PLANOPTIK AG

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PLANOPTIK AG

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COMPANY AT A GLANCE

FOUNDING: 1972

HEAD QUARTER: ELSOFF (GERMANY)

PRODUCTION FACILITIES: ELSOFF & SIEGEN (GERMANY),
SZEKSZÁRD (HUNGARY)

SALES AGENCIES: CHINA, KOREA, TAIWAN, INDIA, ISRAEL, USA

NUMBER OF EMPLOYEES: ~ 120 IN PRODUCTION,
R&D AND ADMINISTRATION

R&D EXPENSES: ~ 10-15 %

TOGETHER UNTIL PRODUCTION

Are you combining microelectronics, micro-mechanics or microfluidics to create a new microsystem?



In us you will find a partner who will work with you to develop electronic, mechanical, optical, chemical or biological components and has a firm grasp of materials such as glass, silicon and copper.

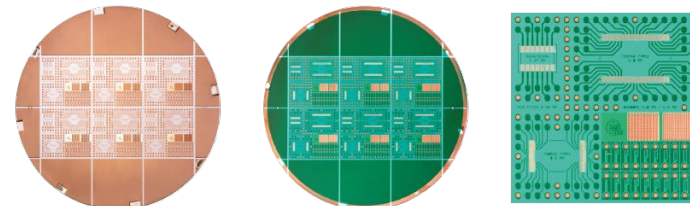
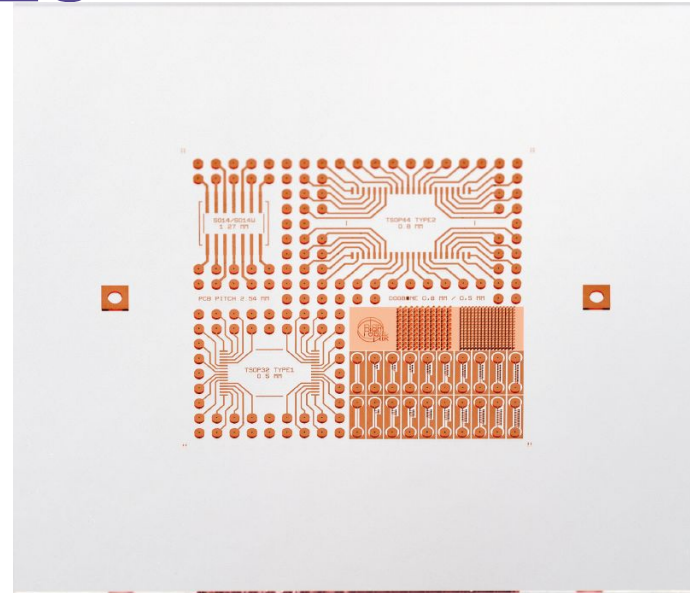
BUSINESS AREAS



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GLASS-CORE-SUBSTRATES

—
PERFECTLY ARRANGED
MICROCHIPS AND SENSORS
IN ELECTRONIC DEVICES

—
Glass interposers enable chips and sensors to be stacked in the smallest of spaces. Individually developed.



EXTENSIVE EXPERIENCE IN DEVELOPMENT PROJECTS

EXAMPLES

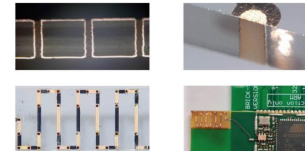
Development of a glass
antenna module

Microfluidic system for
optical detection of particles

DEVELOPMENT OF A GLASS ANTENNA MODULE

Plan Optik is pushing the development of a meander monopole antennas based on glass interposer technology with 175 µm through glass vias (TCV).

- 10 x 4 mm² antenna made of 700 µm thick borosilicate glass material
- 15 µm thick electroplated copper for liner metallization of vias and redistribution
- dielectric passivation and solder bumps for bonding
- prototype demonstrate the suitability of used glass material for 2.4 GHz ISM band
- competitiveness of glass antenna approach regarding achieved antenna efficiency of approx. 60%, return loss of less than -15 dB and intended omnidirectional characteristic with gain < 0.5 dBi has been confirmed



Supported by:
 Federal Ministry for Economic Affairs and Energy

In cooperation with:
 ANSolutions
 TECHNISCHE UNIVERSITÄT DRESDEN

on the basis of a decision by the German Bundestag

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TEAM UP WITH PLANOPTIK
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